Mackenzie Wessels

(919) 394-2185 | mackwessels@gmail.com | 117 Lafayette Street | Goose Creek, South Carolina

CAREER OBJECTIVE

Computer Science major seeking to use technical skills and problem-solving abilities in the role of Junior Software Engineer. Possesses excellent programming skills, a passion for developing software strategies, and tremendous dedication to quality with experience in executing projects. Anticipated graduation in June 2025 with a B.S in Computer Science from Charleston Southern University.

EDUCATION

Bachelor of Science in Computer Science
Charleston Southern University, Charleston, South Carolina   Expected 2025
GPA 3.7, Dean's List all semesters

Associate in Applied Science, Computer Technology-Computer Programming
Trident Technical College, North Charleston, South Carolina   26 April 2020

RELAVENT ACADEMICS AND COURSES

Operating Systems	Network Security
Systems Analysis & Software Design	Computer Architecture
Cybersecurity	User-Interface Programming
Survey of Scripting Languages	Data Structure Analysis

LANGUAGES

Java, C++, C#, Python, Bash, MySQL, RUBY

RELAVENT EXPERIENCE

Systems Analysis & Design Project | Charleston Southern University | Fall 2024

- Developed web application using React, designed for the Medical University of South Carolina, to facilitate the retrieval and analysis of genetic variant data from the ClinVar database.

- Implemented dynamic search features to filter genetic data by gene name, clinical significance, and associated conditions.

- Integrated web application with RESTful APIs to process large datasets; delivering tab-delimited outputs compatible with Microsoft Access for streamlined data analysis.

- Customized user interface with Charleston Southern University branding, ensuring a polished and professional appearance.

- Employed modern web development practices, focusing on performance optimization, responsive design, and accessibility to create user-friendly experience for healthcare professionals.